

## Datasheet

### IEVO-U - ultimate™ Fingerprint Reader

#### Product Description

The ultimate™ is a fingerprint scanner employing a high performance multi-spectral imaging (MSI) sensor. It reads fingerprints from the surface and subsurface levels even if hard to distinguish due to external factors such as levels of dirt, moisture etc. The ultimate™ is designed for external use and remains effective in harsh weather conditions and high footfall environments.

The reader can be enabled for AES128-bit encrypted transmission (on request). High quality, accurate fingerprint images are securely sent to the interface board, which is installed on the secure side of the door - no data is stored on the reader head. Here the board performs 1:N matching for up to 50,000 fingerprints (10,000 standard).

#### Key Features

- Vandal resistant (with external cover)
- Liveness detection and anti-spoofing (when enabled)
- Up to 50,000 fingerprints via interface board (IEVO-MB50K)
- Optional built-in RFID card reader
- Optional customisation with RAL colours
- Powerful multi-spectral imaging (MSI) sensor
- Visual and audible feedback



 Certification

 DEEE

**RoHS** Certification

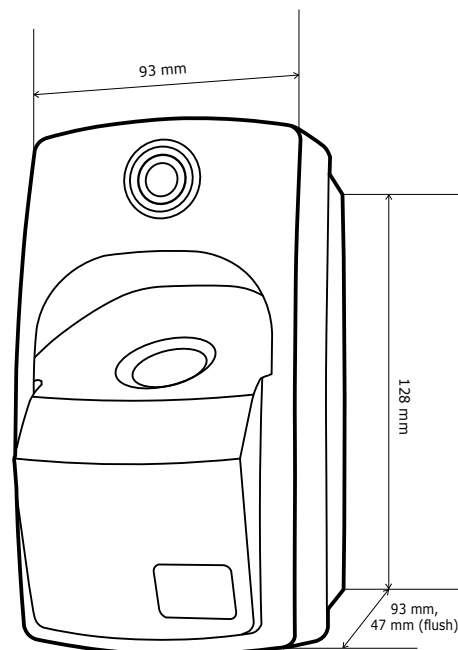
 IP65

 IK10

 -20°C to 70°C

## Product Specifications

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| <b>Material:</b>       | Polycarbonate/ ABS mix                                                            |
| <b>Mounting:</b>       | Surface or flush                                                                  |
| <b>Technology:</b>     | Standalone or Wiegand                                                             |
| <b>Security level:</b> | AES128-bit encryption to interface board (when enabled)                           |
| <b>User limit:</b>     | Up to 50,000 fingerprint templates via interface board (10,000 standard)          |
| <b>Sensor type:</b>    | Multi-spectral Imaging (MSI), Capacitive proximity detection                      |
| <b>Resolution:</b>     | 500dpi                                                                            |
| <b>Card reader:</b>    | HID iCLASS® SE, 13.56MHz MIFARE® Classic, MIFARE® DESFire 0.6/ EV1 (IEVO-U+ only) |
| <b>Communication:</b>  | RS-422 (1Mbit/s)                                                                  |
| <b>CPU:</b>            | ARM                                                                               |
| <b>Cable type:</b>     | Cat5e/6 cable, shielded (S-FTP)                                                   |
| <b>Weight:</b>         | 0.13 kg                                                                           |



## Electrical Specifications

|                     |          |
|---------------------|----------|
| <b>Power input:</b> | 12Vac/dc |
| <b>Consumption:</b> | 600mA    |

## Accessories



**IEVO-ANC-URS/C**

External rain shield or cover



**IEVO-ANC-UFMK**

Flush mounting kit



**IEVO-UDR**

Desktop enrolment unit

## Range References

|             |         |                                                        |
|-------------|---------|--------------------------------------------------------|
| F0106000028 | IEVO-U  | ievo ultimate™ fingerprint reader                      |
| F0106000029 | IEVO-U+ | ievo ultimate™ fingerprint reader with HID card reader |